

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) Apparatus for mixing explosive materials, comprising:

a reservoir of pre-mix explosive material;

a reservoir of hardener material; [[and]]

a static mixer; wherein,

~~each of said reservoirs has~~ separate piping associated with each of said reservoirs for conveying said pre-mix explosive material and said hardener material, respectively, to [[a]] the static mixer for mixing;

a hydraulic cylinder and ram assembly coupled to apply controlled pressure to the pre-mix explosive material, for controlling a flow of said pre-mix explosive material towards said static mixer, ~~is controlled by a hydraulic cylinder and ram assembly that is coupled to apply controlled pressure to the pre-mixed explosive material.~~

Claim 2. (Previously Presented) Apparatus for mixing explosive materials in accordance with claim 1, wherein said materials are combined substantially at an inlet of said static mixer.

Claim 3. (Previously Presented) Apparatus for mixing explosive materials in accordance with claim 1, wherein an outlet of said static mixer is connected to piping for filling ordnance with mixed explosive material.

Claim 4. (Previously Presented) Apparatus for mixing explosive materials in accordance with claim 1 wherein the piping for filling ordnance with combined final explosive material is controlled such that the respective pre-mix explosive material and hardener materials are introduced to the static mixer on demand, the demand being controlled by an automated ordnance fill level controller.

Claim 5. (Previously Presented) Apparatus for mixing explosive materials in accordance with claim 4 wherein said automated ordnance fill level controller comprises at least one fiber optic sensor.

Claims 6-9. (Cancelled)

Claim 10. (Previously Presented): Apparatus for mixing explosive materials in accordance with claim 1, wherein the pre-mix explosive comprises PBX.

Claim 11. (Currently Amended) The apparatus according to claim 1, further comprising:

a flow meter for measuring a flow of hydraulic fluid in said hydraulic cylinder and ram assembly for determining said flow of said ~~pre-mixed~~ pre-mix explosive material.

Claim 12. (Previously Presented) A method for mixing explosive materials comprising:

holding pre-mix explosive material in a reservoir;

holding hardener material in a reservoir;

conveying said pre-mix explosive material and said hardener material to a static mixer via separate pipes; and

controlling a flow of pre-mix explosive towards said static mixer by using a hydraulic cylinder and ram assembly to apply controlled pressure to the pre-mix explosive material.